

# MATERIAL SAFETY DATA SHEET

PURCHASE GREEN TURF BOMB	Revision Date: 10/1/2017
5160 Richton St. Unit D	Date Printed: 10/1/2017
Montclair, CA 91763	Product Number: PG-AG-8-802/803
Phone: 844-887-3444	For Chemical Emergency call Chemtrec
Fax: 888-479-2448	800-424-9300

HEALTH HAZARD	1 - Slight
FLAMMABILITY HAZARD	0 - Minimal
REACTIVITY HAZARD	0 - Minimal
PERSONAL PROTECTION	n+p

<b>SECTION 1 - IDENTIFICATION</b>	
<b>Product Name</b>	Purchase Green Turf Bomb
<b>Product Type</b>	Enzyme / bacterial cleaner
<b>Description:</b>	An opaque liquid used to clean pet waste on the surface of artificial turf

<b>SECTION II - HAZARDOUS IDENTIFICATION</b>		
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)		
Classification of Substance or Mixture	Serious Eye Damage / Eye irritation	Category 2A Aquatic Hazard (Acute) - Category 3
Wear eye or face protection. Wash hands thoroughly after handling.		

<b>SECTION III - COMPOSITION / INFO ON INGREDIENTS</b>		
Boiling Point: >212°F	pH: 7.0	Specific Gravity: 1.00
% Volatile by volume: 100		
HAZARDOUS INGREDIENT	CAS NUMBER	PEL/TLV
Bacterial mixture	Mixture	None Est
Fragrance	Mixture	None Est

<b>SECTION IV - FIRST AID MEASURES</b>	
<b>Inhalation</b>	Remove to fresh air. If problems develop seek medical attention. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration.
<b>Ingestion</b>	If conscious, give large quantities of water. Have medical personnel determine if vomiting is necessary. Never give anything by mouth to an unconscious person.
<b>Eyes</b>	Flush with large amounts of water for 15 minutes. Hold eyelids

	apart to ensure flushing. If irritation develops seek medical attention.
<b>Skin Contact</b>	Wash with soap and water. Remove contaminated clothing and wash before reuse.

<b>SECTION V – FIRE FIGHTING MEASURES</b>	
<b>Flash Point (Method)</b>	>200° F (TCC)
<b>Extinguishing Media</b>	CO <sub>2</sub> , dry chemical, foam, water fog, water spray
<b>NFPA Classification</b>	IIIB
<b>NFPA Symbol Codes</b>	Flammability 0, Health 1, Reactivity 0
<b>Fire Fighting Procedures</b>	Wear approved SCBA with full face piece operated in positive pressure demand mode

<b>SECTION VI – ACCIDENTAL RELEASE MEASURES</b>	
<b>Spill</b>	Dike to prevent spillage into stream or storm drain system. Recover all material possible. Absorb remaining material with vermiculite or other absorbent material.

<b>SECTION VII – HANDLING AND STORAGE</b>	
<p>Store in original container protected from direct sunlight in a dry, cool, well ventilated area. Avoid freezing or overheating. Wash hands with soap and water before smoking or eating. Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.</p> <p>Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>	

<b>SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
<b>Respiratory Protection</b>	Not usually needed
<b>Protective Clothing</b>	Nitrile gloves and chemical splash goggles
<b>Additional Measures</b>	Do not place product in unmarked container. Keep away from children. Slippery when spilled.

<b>SECTION IX – PHYSICAL &amp; CHEMICAL PROPERTIES</b>	
<b>Appearance</b>	An opaque liquid
<b>Odor</b>	Fresh
<b>pH</b>	7

<b>SECTION X – STABILITY &amp; REACTIVITY</b>	
<b>Stability</b>	Material is stable
<b>Hazardous Polymerization</b>	Not expected to occur
<b>Incompatibility</b>	Avoid contact with strong oxidizers
<b>Hazardous Decomposition</b>	Combustion may produce CO, CO <sub>2</sub>

<b>SECTION XI – TOXICOLOGICAL INFORMATION</b>				
<b>Ingredient</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>
Mixture	LD50 Oral	Rat	7200 mg/kg	
Mixture	LD50 Oral	Rat	3 g/kg	
Sodium Nitrate	LD50 Oral	Rat	1267 mg/kg	
<b>Irritation / Corrosion</b>				
<b>Ingredient</b>	<b>Result</b>	<b>Species</b>	<b>Score</b>	<b>Exposure</b>
Citric Acid	Eyes – Severe Irritant	Rabbit		24 hours 750 ug
	Skin – Mild Irritant	Rabbit		24 hours 500 mg
<b>Numerical measures of toxicity</b>				
Route: Oral; ATE value 30000mg/kg				

<b>SECTION XII – ECOLOGICAL INFORMATION</b>			
<b>Product</b>	<b>Result</b>	<b>Species</b>	<b>Exposure</b>
Citric Acid	Acute LC50 160000ug/l marine water	Crustaceans – Carcinus maenas – adult	48 hours
Sodium Nitrate	Acute EC50 522 mg/L fresh water	Fish – Pimephales promelas	96 hours
	Acute LC50 161 mg/L fresh water	Crustaceans – Hyalella Azteca – adult	48 hours
	Acute LC50 323 mg/L fresh water	Daphnia – Daphnia magna – Neonate	48 hours
	Chronic NOEC 1.6 mg/L fresh water	Fish – Coregonus clupeaformis – Embryo	120days
<b>Bio-accumulative potential</b>			
<b>Product</b>	<b>LogP<sub>ow</sub></b>	<b>BCF</b>	<b>Potential</b>
Mixture	-3.12		Low
Citric Acid	-1.8		Low

### **SECTION XIII – DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Follow Federal, State and local guidelines. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### **SECTION XIV – TRANSPORT INFORMATION**

Not regulated

### **SECTION XV – REGULATORY INFORMATION**

<b>Shipping Name</b>	Not regulated
<b>UN Listing</b>	Not regulated
<b>Packing Group</b>	N/A
<b>Constituent</b>	N/A

### **SECTION XVI – OTHER INFORMATION**

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